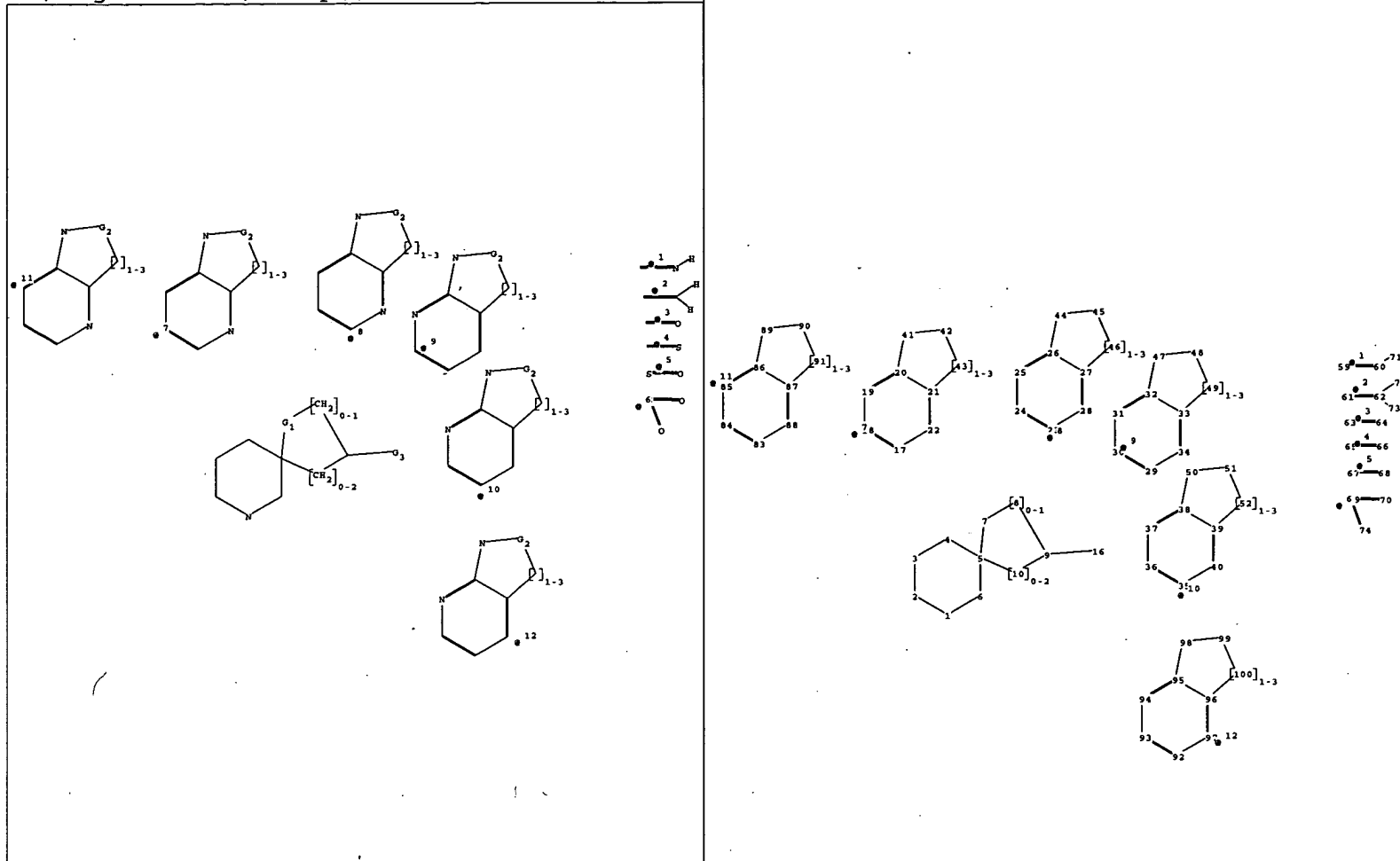


Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1037	(546/199).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:06
L2	733	(546/113).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:17
L3	1	Brian.inv. and Thomas.inv. and ONeil. inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:19
L4	16	Arthur.inv. and Adam.inv. and Nagel. inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:19
L5	40	Brian.inv. and Thomas.inv. and O'Neill. inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:20
L6	42	John.inv. and Michael.inv. and Humphrey.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:21
L7	20	Susan.inv. and beth.inv. and Sobolov. inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:22
L8	20	Susan.inv. and beth.inv. and Sobolov-jaynes.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:22
L9	2	Thomas.inv. and allen.inv. and Chappie.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:22
L10	4	lawrence.inv. and albert.inv. and vincent.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:23
L11	1	Eric.inv. and Platt.inv. and Arnold.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:24
L12	6	Jianhua.inv. and Huang.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:24

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1037	(546/199).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:06
L2	733	(546/113).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:17
L3	1	Brian.inv. and Thomas.inv. and ONeil. inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:19
L4	16	Arthur.inv. and Adam.inv. and Nagel. inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:19
L5	40	Brian.inv. and Thomas.inv. and ONeill. inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:20
L6	42	John.inv. and Michael.inv. and Humphrey.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:21
L7	20	Susan.inv. and beth.inv. and Sobolov. inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:22
L8	20	Susan.inv. and beth.inv. and Sobolov-jaynes.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:22
L9	2	Thomas.inv. and allen.inv. and Chappie.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:22
L10	4	lawrence.inv. and albert.inv. and vincent.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:23
L11	1	Eric.inv. and Platt.inv. and Arnold.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:24
L12	6	Jianhua.inv. and Huang.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/16 10:24



chain nodes :

16 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74

ring nodes :

1 2 3 4 5 6 7 8 9 10 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31  
 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 83 84  
 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

chain bonds :

9-16 59-60 60-71 61-62 62-72 62-73 63-64 65-66 67-68 69-70 69-74

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 5-10 7-8 8-9 9-10 17-18 17-22 18-19 19-20 20-21  
 20-41 21-22 21-43 23-24 23-28 24-25 25-26 26-27 26-44 27-28 27-46 29-30 29-34  
 30-31 31-32 32-33 32-47 33-34 33-49 35-36 35-40 36-37 37-38 38-39 38-50 39-40  
 39-52 41-42 42-43 44-45 45-46 47-48 48-49 50-51 51-52 83-84 83-88 84-85 85-86  
 86-87 86-89 87-88 87-91 89-90 90-91 92-93 92-97 93-94 94-95 95-96 95-98 96-97  
 96-100 98-99 99-100

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 5-10 7-8 8-9 9-10 9-16 20-41 21-43 26-44 27-46  
 32-47 33-49 38-50 39-52 41-42 42-43 44-45 45-46 47-48 48-49 50-51 51-52 59-60  
 60-71 61-62 62-72 62-73 63-64 65-66 67-68 69-70 69-74 86-89 87-91 89-90 90-91  
 95-98 96-100 98-99 99-100

normalized bonds :

17-18 17-22 18-19 19-20 20-21 21-22 23-24 23-28 24-25 25-26 26-27 27-28 29-30  
 29-34 30-31 31-32 32-33 33-34 35-36 35-40 36-37 37-38 38-39 39-40 83-84 83-88  
 84-85 85-86 86-87 87-88 92-93 92-97 93-94 94-95 95-96 96-97

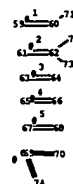
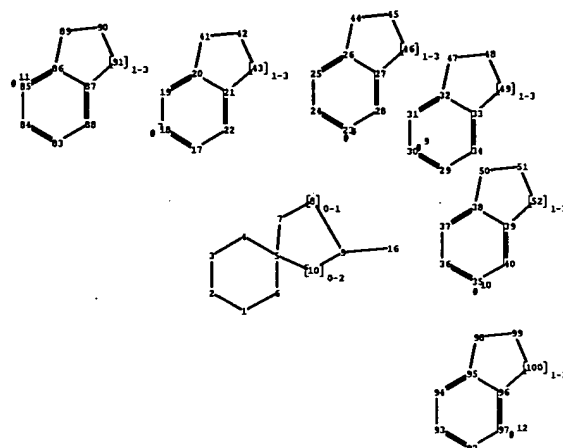
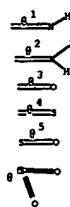
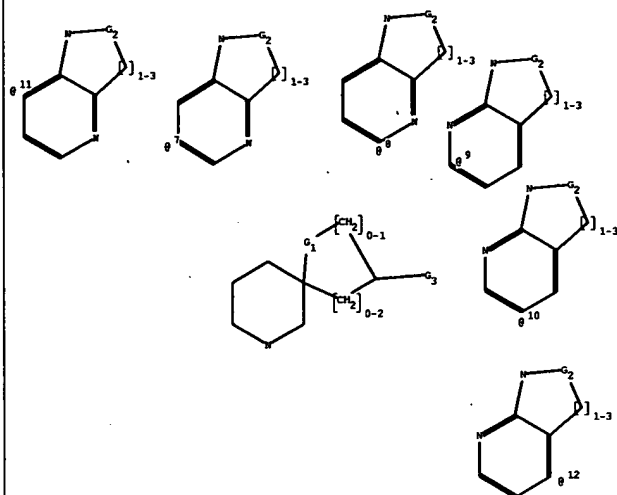
G1:O,S,N

G2:[\*1],[\*2],[\*3],[\*4],[\*5],[\*6]

G3:[\*7],[\*8],[\*9],[\*10],[\*11],[\*12]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 16:CLASS  
17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom  
27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom  
37:Atom 38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom  
47:Atom 48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 59:CLASS 60:CLASS 61:CLASS  
62:CLASS 63:CLASS 64:CLASS 65:CLASS 66:CLASS 67:CLASS 68:CLASS 69:CLASS 70:CLASS  
71:CLASS 72:CLASS 73:CLASS 74:CLASS 83:Atom 84:Atom 85:Atom 86:Atom 87:Atom  
88:Atom 89:Atom 90:Atom 91:Atom 92:Atom 93:Atom 94:Atom 95:Atom 96:Atom 97:Atom  
98:Atom 99:Atom 100:Atom



chain nodes :

16 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74

ring nodes :

1 2 3 4 5 6 7 8 9 10 17 18 19 20 21 22 23 24 25 26 27  
 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45  
 46 47 48 49 50 51 52 83 84 85 86 87 88 89 90 91 92 93  
 94 95 96 97 98 99 100

chain bonds :

9-16 59-60 60-71 61-62 62-72 62-73 63-64 65-66 67-68 69-70  
 69-74

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 5-10 7-8 8-9 9-10 17-18 17-22  
 18-19 19-20 20-21 20-41 21-22 21-43 23-24 23-28 24-25 25-26  
 26-27 26-44 27-28 27-46 29-30 29-34 30-31 31-32 32-33 32-47  
 33-34 33-49 35-36 35-40 36-37 37-38 38-39 38-50 39-40 39-52  
 41-42 42-43 44-45 45-46 47-48 48-49 50-51 51-52 83-84 83-88  
 84-85 85-86 86-87 86-89 87-88 87-91 89-90 90-91 92-93 92-97  
 93-94 94-95 95-96 95-98 96-97 96-100 98-99 99-100

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 5-10 7-8 8-9 9-10 9-16 20-41  
 21-43 26-44 27-46 32-47 33-49 38-50 39-52 41-42 42-43 44-45  
 45-46 47-48 48-49 50-51 51-52 59-60 60-71 61-62 62-72 62-73  
 63-64 65-66 67-68 69-70 69-74 86-89 87-91 89-90 90-91 95-98  
 96-100 98-99 99-100

normalized bonds :

17-18 17-22 18-19 19-20 20-21 21-22 23-24 23-28 24-25 25-26  
 26-27 27-28 29-30 29-34 30-31 31-32 32-33 33-34 35-36 35-40  
 36-37 37-38 38-39 39-40 83-84 83-88 84-85 85-86 86-87 87-88  
 92-93

G1:O,S,N

G2:[\*1],[\*2],[\*3],[\*4],[\*5],[\*6]

G3:[\*7],[\*8],[\*9],[\*10],[\*11],[\*12]

Match level :

1:Atom	2:Atom	3:Atom	4:Atom	5:Atom	6:Atom	7:Atom	8:Atom	9:Atom
10:Atom	16:CLASS	17:Atom	18:Atom	19:Atom	20:Atom	21:Atom	22:Atom	
23:Atom	24:Atom	25:Atom	26:Atom	27:Atom	28:Atom	29:Atom	30:Atom	
31:Atom	32:Atom	33:Atom	34:Atom	35:Atom	36:Atom	37:Atom	38:Atom	
39:Atom	40:Atom	41:Atom	42:Atom	43:Atom	44:Atom	45:Atom	46:Atom	
47:Atom	48:Atom	49:Atom	50:Atom	51:Atom	52:Atom	59:CLASS	60:CLASS	
61:CLASS	62:CLASS	63:CLASS	64:CLASS	65:CLASS	66:CLASS	67:CLASS		
68:CLASS	69:CLASS	70:CLASS	71:CLASS	72:CLASS	73:CLASS	74:CLASS		
83:Atom	84:Atom	85:Atom	86:Atom	87:Atom	88:Atom	89:Atom	90:Atom	
91:Atom	92:Atom	93:Atom	94:Atom	95:Atom	96:Atom	97:Atom	98:Atom	
99:Atom	100:Atom							

09/811,218New

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Welcome to STN International! Enter x:x

LOGINID:sssptal611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	7	SEP 09	ACD predicted properties enhanced in REGISTRY/ZREGISTRY
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NEWS	9	OCT 04	CA/CAPplus-Canadian Intellectual Property Office (CIPO) added to core patent offices
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NEWS	11	OCT 13	New CAS Information Use Policies Effective October 17, 2005
NEWS EXPRESS			JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
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FILE 'HOME' ENTERED AT 09:09:58 ON 16 OCT 2005

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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DICTIONARY FILE UPDATES: 14 OCT 2005 HIGHEST RN 865347-39-3

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
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Structure search iteration limits have been increased. See HELP SLIMITS for details.

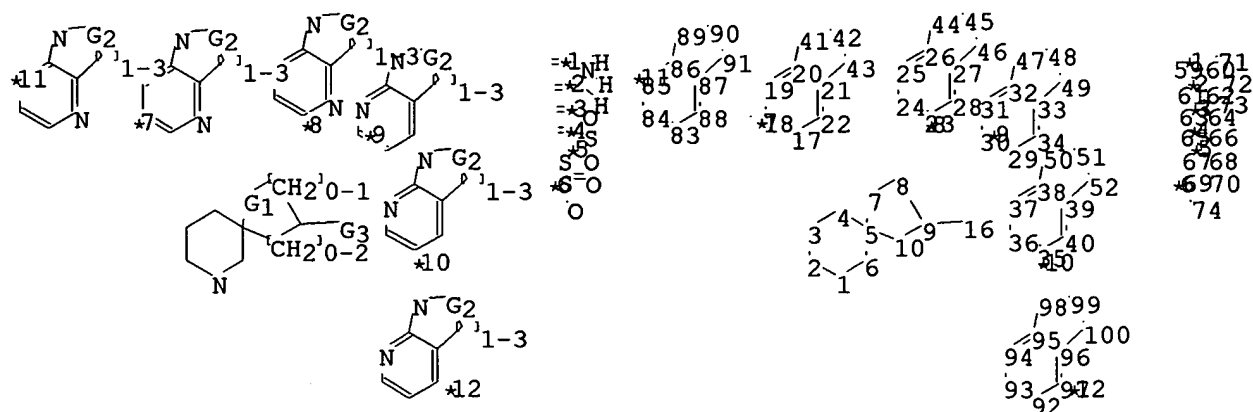
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\09811218new.str





chain nodes :

16 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74

ring nodes :

1 2 3 4 5 6 7 8 9 10 17 18 19 20 21 22 23 24 25 26 27 28 29  
 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
 51 52 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

chain bonds :

9-16 59-60 60-71 61-62 62-72 62-73 63-64 65-66 67-68 69-70 69-74

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 5-10 7-8 8-9 9-10 17-18 17-22 18-19 19-20  
 20-21 20-41 21-22 21-43 23-24 23-28 24-25 25-26 26-27 26-44 27-28 27-46  
 29-30 29-34 30-31 31-32 32-33 32-47 33-34 33-49 35-36 35-40 36-37 37-38  
 38-39 38-50 39-40 39-52 41-42 42-43 44-45 45-46 47-48 48-49 50-51 51-52  
 83-84 83-88 84-85 85-86 86-87 86-89 87-88 87-91 89-90 90-91 92-93 92-97  
 93-94 94-95 95-96 95-98 96-97 96-100 98-99 99-100

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 5-10 7-8 8-9 9-10 9-16 20-41 21-43 26-44  
 27-46 32-47 33-49 38-50 39-52 41-42 42-43 44-45 45-46 47-48 48-49 50-51  
 51-52 59-60 60-71 61-62 62-72 62-73 63-64 65-66 67-68 69-70 69-74 86-89  
 87-91 89-90 90-91 95-98 96-100 98-99 99-100

normalized bonds :

17-18 17-22 18-19 19-20 20-21 21-22 23-24 23-28 24-25 25-26 26-27 27-28  
 29-30 29-34 30-31 31-32 32-33 33-34 35-36 35-40 36-37 37-38 38-39 39-40  
 83-84 83-88 84-85 85-86 86-87 87-88 92-93 92-97 93-94 94-95 95-96 96-97

09/811,218New

G1:O,S,N

G2:[\*1],[\*2],[\*3],[\*4],[\*5],[\*6]

G3:[\*7],[\*8],[\*9],[\*10],[\*11],[\*12]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
16:CLASS 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom  
25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom 33:Atom  
34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:Atom 42:Atom  
43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:Atom 49:Atom 50:Atom 51:Atom  
52:Atom 59:CLASS 60:CLASS 61:CLASS 62:CLASS 63:CLASS 64:CLASS 65:CLASS  
66:CLASS 67:CLASS 68:CLASS 69:CLASS 70:CLASS 71:CLASS 72:CLASS 73:CLASS  
74:CLASS 83:Atom 84:Atom 85:Atom 86:Atom 87:Atom 88:Atom 89:Atom 90:Atom  
91:Atom 92:Atom 93:Atom 94:Atom 95:Atom 96:Atom 97:Atom 98:Atom 99:Atom  
100:Atom

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 09:10:52 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 13219 TO ITERATE

15.1% PROCESSED 2000 ITERATIONS 0 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 257493 TO 271267  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss ful

FULL SEARCH INITIATED 09:11:03 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 262948 TO ITERATE

100.0% PROCESSED 262948 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.03

L3 0 SEA SSS FUL L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
161.76	161.97

FULL ESTIMATED COST

09/811,218New

STN INTERNATIONAL LOGOFF AT 09:11:12 ON 16 OCT 2005